

R5-21.2 Initial Concurrence Window - Tunable Parameter Modification

NPAC SMS shall allow the NPAC SMS Administrator to modify the Initial Concurrence Window date tunable parameter.

R5-21.3 Initial Concurrence Window - Tunable Parameter Default

NPAC SMS shall default the Initial Concurrence Window date tunable parameter to 9 business hours.

R5-21.4

(Duplicate - Refer to R5-21.1)

R5-21.5

(Duplicate - Refer to R5-21.1)

R5-21.6 Create Subscription Version - Set to Pending

NPAC SMS shall set a Subscription Version to pending upon successful subscription creation and the Old Service Provider has authorized transfer of service if this is an Old Service Provider create request for an Inter-Service Provider port.

R5-21.7 Create Subscription Version - Notify User Success

NPAC SMS shall notify the old and new Service Providers when a Subscription Version is set to pending upon successful subscription creation for an Inter-Service Provider port.

RR5-2.1 Create Subscription Version - Set to Conflict

NPAC SMS shall set a Subscription Version directly to conflict and set the cause code, if the Subscription Version passed validations, but this is a create request from the Old Service Provider and the Old Service Provider did not authorize transfer of service for an Inter-Service Provider port and specified a cause code.

RR5-2.2 Create Subscription Version - Set Conflict Timestamp

NPAC SMS shall set the conflict timestamp to the current time when a Subscription Version is set to conflict at the time of subscription version creation for an Inter-Service Provider port.

RR5-2.3 Create Subscription Version - Conflict Notification

NPAC SMS shall notify the Old and New Service Provider when a Subscription Version is set to conflict at the time of Subscription Version creation for an Inter-Service Provider or port.

RR5-2.4 Cause Code in Conflict Notification - Creation

NPAC SMS shall include the cause code in the conflict notification to the Old and New Service Provider when the Old Service Provider did not authorize transfer of service for an Inter-Service Provider port on creation.

R5-22 Create Subscription Version - Initial Concurrence Window Tunable Parameter Expiration

NPAC SMS shall send a notification to the Service Provider (old or new) who has not yet authorized the transfer of service, when the Initial Concurrence Window tunable parameter for a pending Subscription Version has expired.

R5-23.1 Final Concurrence Window - Tunable Parameter

NPAC SMS shall provide a Final Concurrence Window tunable parameter which is defined as the number of business hours after the concurrence request is sent by the NPAC SMS by which time both Service Providers can authorize transfer of subscription service for an Inter-Service Provider port.

R5-23.2 Final Concurrence Window Tunable - Tunable Parameter Modification

NPAC SMS shall allow the NPAC SMS Administrator to modify the Final Concurrence Window tunable parameter.

R5-23.3 Final Concurrence Window Tunable - Tunable Parameter Default

NPAC SMS shall default the Final Concurrence Window tunable parameter to 9 business hours.

R5-23.4 New Service Provider Fails to Authorize Transfer of Service

NPAC SMS shall set the Subscription Version status to cancel when the Final Concurrence Window tunable parameter expires and a new Service Provider has not sent authorization for the transfer of service.

R5-23.5 Activation without Old Service Provider Authorization

NPAC SMS shall allow a pending Subscription Version to be activated without an old Service Provider authorization for transfer of service.

R5-23.6 Activation without Old Service Provider Authorization - Time restriction

NPAC SMS shall allow activation without Old Service Provider concurrence only after the final concurrence window timer has expired.

RR5-43 Activation with Old Service Provider Authorization

DELETE

5.1.2.2.1.2 Subscription Version Creation - Intra-Service Provider Port

This section provides the Subscription Version Creation requirements for performing an Intra-Service Provider port of a TN. An Intra-Service Provider port of a TN is when a TN is ported to a new location within the current Service Provider network (i.e., the routing data is modified, but the Service Provider remains the same). A "port to original" port for an Intra-Service Provider port should be handled by a requesting user via submission of a Disconnect request to the NPAC SMS.

RR5-4 Create "Intra-Service Provider Port" Subscription Version - Current Service Provider Input Data

NPAC SMS shall require the following data from the NPAC personnel or the Current (New) Service Provider at the time of Subscription Version Creation for an Intra-Service Provider port:

- LNP Type - port type This field must be set to "LISP for Intra-Service Provider support.
- Ported Telephone Number(s) - this entry can be a single TN or a continuous range of TNs that identifies a subscription or group of Subscription Versions that share the same attributes.
- Due Date - date on which Intra-Service Provider port is planned to occur.
- New facilities-based Service Provider ID - current Service Provider within which the Intra-Service Provider port will occur.
- Old facilities-based Service Provider ID - current Service Provider within which the Intra-Service Provider port will occur.
- Location Routing Number (LRN) - identifier of the ported-to switch
- Class DPC
- Class SSN
- LIDB DPC
- LIDB SSN
- CNAM DPC
- CNAM SSN
- ISVM DPC
- ISVM SSN

RR5-5 Create "Intra-Service Provider Port" Subscription Version - Current Service Provider Optional Input Data

NPAC SMS shall accept the following optional fields from the NPAC personnel or the Current Service Provider upon a Subscription Version Creation for an Intra-Service Provider port:

- Billing Service Provider ID
- End-User Location - Value
- End-User Location - Type

RR5-6.1 Create "Intra-Service Provider Port" Subscription Version - Field-level Data Validation

NPAC SMS shall perform field-level data validations to ensure that the value formats for the following input data, if supplied, is valid according to the formats specified in Table 3-4 upon Subscription Version creation for an Intra-Service Provider port:

- LNP Type
- Ported TN(s)
- Current Service Provider Due Date
- Old Service Provider ID
- New Service Provider ID
- LRN
- Class DPC
- Class SSN
- LIDB DPC
- LIDB SSN
- CNAM DPC

- CNAM SSN
- ISVM DPC
- ISVM SSN
- Billing Service Provider ID
- End-User Location - Value
- End-User Location - Type

RR5-6.2 Create "Intra-Service Provider Port" Subscription Version - New and Old Service Provider ID Match

NPAC SMS shall validate that the new and old Service Provider IDs are identical to the ID of the requesting user at the time of Subscription Version creation for an Intra-Service Provider port.

RR5-6.3 Create "Intra-Service Provider Port" Subscription Version - Due Date Validation

NPAC SMS shall verify that the input due date is the current or a future due date upon Subscription Version creation for an Intra-Service Provider port.

RR5-6.4 Create "Intra-Service Provider Port" Subscription Version - Ported TN NPA-NXX Validation

NPAC SMS shall verify that the NPA-NXX for the TN to be ported exists as an NPA-NXX in the NPAC SMS system upon Subscription Version creation for an Intra-Service Provider port.

RR5-6.5 Create "Intra-Service Provider Port" Subscription Version - LRN Validation

NPAC SMS shall verify that the LRN is associated with the new Service Provider in the NPAC SMS system upon Subscription Version creation for an Intra-Service Provider port.

RR5-6.6 Create "Intra-Service Provider Port" Subscription Version - Duplicate Authorization Validation

NPAC SMS shall verify that the authorization for transfer of service for a given Service Provider does not already exist when a Service Provider creates a Subscription Version for an Intra-Service Provider port.

RR5-6.7 Create "Intra-Service Provider Port" Subscription Version - Old Service Provider ID Validation

NPAC SMS shall verify that the old Service Provider ID on the version being created is equal to the new Service Provider ID on the active Subscription Version, if an active version exists, upon Subscription Version creation for an Intra-Service Provider port.

RR5-6.8 Create "Intra-Service Provider Port" Subscription Version - No Active Version

NPAC SMS shall allow an Intra-Service Provider port to occur for a telephone number not associated with a current active version.

**RR5-6.9 Create "Intra-Service Provider Port" Subscription Version - Old Service
Provider ID Validation - No Active Subscription Version**

NPAC SMS shall validate that the old Service Provider in the create message is the Service Provider to which the TN's MPA-NXX is assigned (as stored in the NPAC SMS service provider data tables) if there is currently no active Subscription Version for the TN in the NPAC SMS.

RR5-7.1 Create "Intra-Service Provider Port" Subscription Version - Validation Failure Notification

NPAC SMS shall send an appropriate error message to the originating NPAC personnel or SOA to NPAC SMS Interface if any of the validations fail at the time of Subscription Version creation for an Intra-Service Provider port.

RR5-7.2 Create "Intra-Service Provider Port" Subscription version - Validation Failure - No Create

NPAC SMS shall not create a new Subscription Version if any of the validations fail at the time of Subscription Version creation for an Intra-Service Provider port.

RR5-8 Create "Intra-Service Provider Port" Subscription version - Set to Pending

NPAC SMS shall set a Subscription Version to pending upon successful creation of a Subscription Version for an Intra-Service Provider port.

RR5-9 Create "Intra-Service Provider Port" Subscription version - Notify User of Creation

NPAC SMS shall notify the current Service Provider when a Subscription Version is set to pending upon a successful creation of a Subscription Version for an Intra-Service Provider port.

5.1.2.2.2 Subscription Version Modification

This section provides the requirements for the Subscription Version Modification functionality, which is executed upon the user requesting modify Subscription Version.

5.1.2.2.2.1 Modification of a Pending or Conflict Subscription Version

R5-24.1

(Duplicate - refer to R5-27 and R5-28)

R5-24.2

(Duplicate - refer to R5-27 and R5-28)

R5-24.3

(Duplicate - refer to R5-27 and R5-28)

R5-25 Modify Subscription Version - Invalid Version Status Notification

NPAC SMS shall return an error to the originating NPAC personnel or SOA to NPAC SMS interface user if the version status is sending, failed, partial failure, canceled, cancel pending, old or disconnect pending upon Subscription Version modification.

R5-26 Modify Subscription Version - Version Identification

NPAC SMS shall receive the following data from the originating NPAC personnel or SOA to NPAC SMS interface user to identify a disconnect-pending, pending, or conflict Subscription Version to be modified:

Ported Telephone Number (or a specified range of numbers) and status
or
Subscription Version ID

R5-27.1 Modify Subscription Version - New Service Provider Data Values

NPAC SMS shall allow the following data to be modified in a pending or conflict Subscription Version for an Inter-Service Provider or Intra-Service Provider port by the new/current Service Provider or NPAC personnel:

- Location Routing Number (LRN) - the identifier of the ported to switch.
- Due Date - date on which transfer of service from old facilities-based Service Provider to new facilities-based Service Provider is planned to occur.
- Class DPC
- Class SSN
- LIDB DPC
- LIDB SSN
- CNAM DPC
- CNAM SSN
- ISVM DPC
- ISVM SSN

R5-27.2 Modify "porting to original" Subscription Version - New Service Provider Data Values

NPAC SMS shall allow the following data to be modified in a pending, or conflict Subscription Version for a "porting to original" port by the new Service Provider or NPAC personnel:

- Due Date - New Service Provider date on which "port to original" is planned to occur.

R5-27.3 Modify Subscription Version - Old Service Provider Data Values

NPAC SMS shall allow the following data to be modified in a pending or conflict Subscription Version for an Inter-Service Provider port by the old Service Provider or NPAC personnel:

- Due Date - date on which transfer of service from old facilities-based Service Provider to new Service Provider is planned to occur.
- Old Service Provider Authorization
- Status Change Cause Code

R5-27.4 Old Service Provider authorization Flag Modification to False

NPAC SMS shall allow the old Service Provider to modify the old Service Provider authorization flag to false and set the cause code. As a result the NPAC SMS will set the Subscription Version status to conflict provided the version has not previously been set into conflict by the Old Service Provider for reasons other than cancellation.

R5-27.5 Old Service Provider Conflict Restriction

(Duplicate - refer to RR5-42.1)

R5-28 Modify Subscription Version - New Service Provider Optional input data.

NPAC SMS shall accept the following optional fields from the NPAC personnel or the new Service Provider upon modification of a pending or conflict Subscription version:

- Billing Service Provider ID
- End-User Location - Value
- End-User Location - Type

R5-29.1 Modify Subscription Version - Field-level Data Validation

NPAC SMS shall perform field-level data validations to ensure that the value formats for the following input data, if supplied, is valid according to the formats specified in Table 3-4 upon Subscription Version modification.

- LNP Type
- Ported TN(s)
- Old Service Provider Due Date
- New Service Provider Due Date
- Old Service Provider Authorization
- Status Change Cause Code
- Old Service Provider ID
- New Service Provider ID
- LRN
- Class DPC
- Class SSN
- LIDB DPC
- LIDB SSN
- CNAM DPC
- CNAM SSN
- ISVM DPC
- ISVM SSN
- Billing Service Provider ID
- End-User Location - Value
- End-User Location - Type

R5-29.2 Modify Subscription Version - Due Date Validation

NPAC SMS shall verify that an input due date is the current or future date upon Subscription Version modification.

R5-29.3 Modify Subscription Version - LRN Validation

NPAC SMS shall verify that an input LRN is associated with the new Service Provider in the NPAC SMS system upon Subscription Version modification.

R5-29.4 Modify Subscription Version - Originating Service Provider Validation

NPAC SMS shall verify that the originating user is identified as the new or old Service Provider on the current Subscription Version, if one exists, upon Subscription Version modification.

R5-29.5 Modify Subscription Version - Status Change Cause Code Validation

NPAC SMS shall require and only allow the Status Change Cause Code to be set when the Old Service Provider authorization is set to false.

R5-30.1 Modify Subscription Version - Validation Failure Notification

NPAC SMS shall send an error message to the originating user if the modified pending or conflict Subscription Version fails validations.

R5-30.2 Modify Subscription Version - Validation Error Processing

NPAC SMS shall leave the original version intact upon validation failure of a modified pending or conflict Subscription Version.

R5-31.1

DELETE

R5-31.2

DELETE

R5-31.3 Modify Subscription Version - Successful Modification Notification

NPAC SMS shall send an appropriate message to the old and new Service Providers upon successful modification of a Subscription Version.

R5-32

(Duplicate - refer to R5-31.3)

RR5-10.1 Modify Subscription Version - Set Conflict Timestamp

NPAC SMS shall set the conflict timestamp to the current time when a Subscription Version is set to conflict upon Subscription Version modification.

RR5-10.2 Modify Subscription Version - Conflict Notification

NPAC SMS shall notify the Old and New Service Provider when a Subscription Version is set to conflict upon Subscription Version modification.

RR5-10.3 Modify Subscription Version - Cause Code in Notification

NPAC SMS shall include the cause code for conflict in the conflict notification to the Old and New Service Provider when a Subscription Version is set to conflict upon Subscription Version modification.

RR5-10.4

DELETE

RR5-10.5

DELETE

5.1.2.2.2.2 Modification of an Active Subscription Version

R5-33

(Duplicate - refer to R5-35 and R5-36)

AR5-1 Active Status

“Active” status refers to Subscription Versions with either an Active or Disconnect Pending status.

RR5-11 Modify Active Subscription Version - Service Provider Owned

NPAC SMS shall allow only NPAC personnel and the current Service Provider to modify their own active Subscription Versions.

R5-34

DELETE

R5-35 Modify Active Subscription Version - Version Identification

NPAC SMS shall require the following data from NPAC personnel or SOA to NPAC SMS interface users to identify the active Subscription Version to be modified:

Ported Telephone Numbers (or a specified range of numbers) and status of Active

or

Subscription Version ID

R5-36 Modify Active Subscription Version - Input Data

NPAC SMS shall allow the following data to be modified for an active Subscription Version:

- Location Routing Number (LRN) - the identifier of the ported to switch
- Class DPC
- Class SSN
- LIDB DPC
- LIDB SSN
- CNAM DPC
- CNAM SSN
- ISVM DPC
- ISVM SSN

R5-37 Active Subscription Version - New Service Provider Optional input data.

NPAC SMS shall accept the following optional fields from the new Service Provider or NPAC personnel for an active Subscription Version to be modified:

- Billing Service Provider ID
- End-User Location - Value
- End-User Location - Type

R5-38.1 Modify Active Subscription Version - Field-level Data Validation

NPAC SMS shall perform field-level data validations to ensure that the value formats for the following input data, if supplied, is valid according to the formats specified in Table 3-4 upon Subscription Version modification of an active version:

- LRN
- Class DPC
- Class SSN
- LIDB DPC
- LIDB SSN
- CNAM DPC
- CNAM SSN
- ISVM DPC
- ISVM SSN
- Billing Service Provider ID
- End-User Location - Value
- End-User Location - Type

R5-38.2 Modify Active Subscription Version - LRN Validation

NPAC SMS shall verify that an input LRN is associated with the new Service Provider in the NPAC SMS system upon Subscription Version modification of an active version.

R5-39.1 Modify Active Subscription Version - Validation Failure Notification

NPAC SMS shall send an appropriate error message to the originating user if the modified active Subscription Version fails validations.

R5-39.2 Modify Active Subscription Version - Validation Error Processing

NPAC SMS shall leave the original version intact upon validation failure of a modified active Subscription Version.

R5-40.1 Modify Active Subscription Version - Broadcast Date/Time Stamp

NPAC SMS shall record the current date and time as the broadcast date and time stamp upon initiation of broadcasting of the modified active Subscription Version.

R5-40.2

(Duplicate - refer to R5-34)

R5-40.3 Modify Active Subscription Version - Modification Success User Notification

NPAC SMS shall notify the originating user indicating successful modification of an active Subscription Version.

R5-40.4 Modify Active Subscription Version - Broadcast complete Time Stamp

NPAC SMS shall record the current date and time as the Broadcast Complete Date and Time Stamp, after one Local SMS has successfully acknowledged modifying the new Subscription Version.

R5-41 Activation Of A Modified Subscription Version

NPAC SMS shall proceed with the broadcast modified active subscription process upon successful modification of an active Subscription Version.

RR5-41.1 Broadcast Modified Active Subscription - Local SMS Identification

NPAC SMS shall determine which Local SMSs to send the Subscription Version to by identifying all Local SMSs that are accepting Subscription version data downloads for the given NPA-NXX.

RR5-41.2 Broadcast Modified Active Subscription - Send to Local SMSs

NPAC SMS shall send the modified Subscription version via the NPAC SMS to Local SMS Interface to the Local SMSs

RR5-41.3 Broadcast Modified Active Subscription - Set to Sending

NPAC SMS shall set the Subscription Version status to sending upon sending the Subscription version to the Local SMSs.

RR5-41.4 Modify Active Subscription Version - Return Status

NPAC SMS shall upon completion of the broadcast (failed or successful) return the status of the modified active subscription to it's previous state.

RR5-41.5 Modify Active Subscription Activation Retry Attempts - Tunable Parameter

NPAC SMS shall use the Subscription Activation Retry Attempts tunable parameter which defines the number of times a new Subscription Version will be sent to a Local SMS which has not acknowledged receipt of the modify request.

RR5-41.6 Modify Active Subscription Activation Retry Interval - Tunable Parameter

NPAC SMS shall use the Subscription Activation Retry Interval tunable parameter, which defines the delay between sending new Subscription Versions to a Local SMS that has not acknowledged receipt of the modify request.

RR5-41.7 Modify Active Subscription Version Failure Retry

NPAC SMS shall resend the modified Subscription Version a Subscription Activation Retry Attempts tunable parameter number of times to a Local SMS that has not acknowledged the receipt of the modification request once the Subscription Activation Retry Interval tunable parameter expires.

RR5-41.8 Modify Active Subscription Version Failure - Status Sending

NPAC SMS shall retain the status for the Subscription Version being modified as sending until the earlier of the Subscription Version retry period has expired for all Local SMSs, or until all Local SMSs have acknowledged the activation.

RR5-41.9 Modify Active Subscription Version Failure - Local SMS Identification

NPAC SMS shall notify the NPAC SMS Administrator of all Local SMSs where a modify has failed, once each Local SMS has successfully responded or failed to respond during the activation retry period.

RR5-41.10 Subscription Version Activation - Resend to Failed Local SMSs

NPAC SMS shall provide NPAC SMS personnel with the functionality to re-send modify active Subscription Version requests to all failed Local SMSs.

RR5-41.11 Modify Active Subscription Version - Failed Local SMS Notification Current Service Provider

NPAC SMS shall send a list to the Current Service Provider of all Local SMSs that failed activation when a Subscription Version modify active fails.

5.1.2.2.3 Subscription Version Conflict

This section provides the requirements for the functionality to place a Subscription Version in to conflict and remove it from conflict.

NOTE: *An old Service Provider can place a subscription version in conflict by setting the authorization flag to "False", as noted in requirement R5-27.4*

5.1.2.2.3.1 Placing a Subscription Version in Conflict

R5-42 Conflict Subscription Version - Version Identification

NPAC SMS shall require the following data from NPAC personnel to identify the Subscription Version to be placed in conflict:

Ported Telephone Number

or

Subscription Version ID

R5-43.1 Conflict Subscription Version - Invalid Status Notification

NPAC SMS shall send an error message to the NPAC personnel or old Service Provider if the version status is not pending or cancel pending upon attempting to set the Subscription Version to conflict.

R5-43.2 Conflict Subscription Version - No Cause Code Notification

NPAC SMS shall send an error message to the SOA if the cause code is not specified upon setting the Subscription Version to conflict.

RN5-11

(Duplicate - Refer to R5-42 and R5-43)

RR5-42.1 Conflict Subscription Version - Old Service Provider Number Restriction

NPAC SMS shall only allow a subscription version to be placed into conflict by the Old Service provider one time.

RR5-42.2 Conflict Subscription Version - Conflict Restriction Window

NPAC SMS shall provide a Conflict Restriction Tunable which is defined as the time on the business day prior to the New Service Provider due date that a pending Subscription Version can no longer be placed into conflict state by the old Service Provider.

AR5-2 Conflict Restriction Window Tunable due date value

The date used for the Conflict Restriction Window Tunable calculation relies on the date value specified in the New Service Provider due date.

RR5-42.3 Conflict Subscription Version - Conflict Restriction Window Tunable

NPAC SMS shall allow the NPAC SMS Administrator to modify the Conflict Restriction Window Tunable parameter.

RR5-42.4 Conflict Subscription Version - Conflict Restriction Window Tunable Default

NPAC SMS shall default the Conflict Restriction Window Tunable parameter to 12 noon.

R5-44.1 Conflict Subscription Version - Set Status to Conflict

NPAC SMS shall, upon placing a Subscription Version into conflict, set the version status to conflict.

R5-44.2 Conflict Subscription Version - Set Conflict Date and Time

NPAC SMS shall, upon placing a Subscription Version into conflict, record the current date and time as the conflict date and time stamp.

R5-44.3 Conflict Subscription Version - Successful Completion Message

NPAC SMS shall issue an appropriate message to the originating user and the Old and New Service Providers indicating successful completion of the process to place a subscription in conflict.

R5-45.1 Conflict Expiration Window - Tunable Parameter

NPAC SMS shall provide a Conflict Expiration Window tunable parameter which is defined as a number of calendar days a Subscription Version will remain in conflict prior to cancellation.

R5-45.2 Conflict Expiration Window - Tunable Parameter Default

NPAC SMS shall default the Conflict Expiration Window tunable parameter to 30 calendar days.

R5-45.3 Conflict Expiration Window - Tunable Parameter Modification

NPAC SMS shall allow the NPAC SMS Administration to modify the Conflict Expiration Window tunable parameter.

R5-45.4 Conflict Subscription Version - Set to Cancel

NPAC SMS shall set the status of the Subscription Version to cancel after a Subscription Version has been in conflict for a Conflict Expiration Window tunable parameter number of calendar days.

R5-45.5 Conflict Subscription Version - Set Cancellation Date Timestamp

NPAC SMS shall set a Subscription Version cancellation date timestamp to the current time upon setting a conflict Subscription Version to cancel.

R5-45.6 Conflict Subscription Version - Inform Service Providers of Cancel Status

NPAC SMS shall notify both Service Providers after a Subscription Version status is set to cancel from conflict.

5.1.2.2.3.2 Removing a Subscription Version from Conflict

R5-46 Conflict Resolution Subscription Version - Version Identification

NPAC SMS shall require the following data from the NPAC personnel user, new, or old Service Provider to identify the Subscription Version to be set from conflict to pending:

Ported Telephone Number

or

Subscription Version ID

R5-47 Conflict Resolution Subscription Version - Invalid Status Notification

NPAC SMS shall send an error message to the originating user if the Subscription Version status is not in conflict upon attempting to set the Subscription Version to pending.

R5-48

DELETE

R5-49.1

DELETE

R5-49.2

DELETE

R5-50.1 Conflict Resolution Subscription Version - Set Status

NPAC SMS shall set the version status to pending if the Subscription Version is in conflict upon a request from NPAC personnel, new, or old service providers to set a Subscription Version to pending.

R5-50.2 Conflict Resolution Subscription Version - Status Message

NPAC SMS shall send an appropriate message to the originating user indicating successful completion of the process to set a subscription to pending.

RR5-12.1 Conflict Resolution Subscription Version - Inform Both Service Providers of Pending Status

NPAC SMS shall inform both Service Providers when the status of a Subscription Version is set to pending for an Inter-Service Provider port.

RR5-12.2

DELETE

RR5-12.3 Conflict Resolution New Service Provider Restriction Tunable Parameter

NPAC SMS shall provide a Conflict Resolution New Service Provider Restriction tunable parameter which is defined as a number of business hours after the subscription version is put into conflict that the NPAC SMS will prevent it from being removed from conflict by the New Service Provider.

RR5-12.4 Conflict Resolution New Service Provider Restriction - Tunable Parameter Default

NPAC SMS shall default the Conflict Resolution New Service Provider Restriction tunable parameter to 6 business hours.

RR5-12.5 Conflict Resolution New Service Provider Restriction Tunable Parameter Modification

NPAC SMS shall allow the NPAC SMS Administration to modify the Conflict Resolution New Service Provider Restriction tunable parameter.

RR5-13.1

DELETE

RR5-13.2

DELETE

RR5-14 Conflict Resolution Acknowledgment - Update Conflict Resolution Date and Time Stamp

NPAC SMS shall update the conflict resolution date and time stamp with the current date and time and set the old Service Provider Authorization flag to true when conflict is resolved.

RR5-15.1

DELETE

RR5-15.2

DELETE

RR5-16.1

DELETE

RR5-16.2

DELETE

RR5-17.1

DELETE

RR5-17.2

DELETE

RR5-17.3

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RR5-17.4

DELETE

RR5-18.1

DELETE

RR5-18.2

DELETE

RR5-18.3

DELETE

RR5-19

DELETE

RR5-20

DELETE

5.1.2.2.4 Subscription Version Activation

This section provides the requirements for the Subscription Version Activation functionality, which is executed upon the NPAC personnel or SOA to NPAC SMS interface user requesting to activate a Subscription Version. Requirements related to activation are contained in requirement R5-23.

R5-51.1 Activate Subscription Version - Version Identification

NPAC SMS shall require the following data from the NPAC personnel or new service provider to identify the Subscription Version to be activated:

Ported Telephone Number

or

Subscription Version ID

R5-51.2 Activate Subscription Version - Broadcast Complete Date and Time Stamp

NPAC SMS shall record the current date and time as the Activation Broadcast Complete Date and Time Stamp, as soon as one Local SMS has successfully acknowledged activating the new Subscription Version.

RR5-21 Activate "porting to original" Subscription Version

NPAC SMS shall proceed with the "immediate" disconnect processing when a "porting to original" Subscription Version is activated.

RR5-22 Activate Subscription Version - Set Activation Received Timestamp

NPAC SMS shall set the Activation Received timestamp to the current date and time upon receiving a Subscription Version activation request.

R5-52 Activate Subscription Version - Invalid Status Notification

NPAC SMS shall send an error message to the originating user if the version status is not pending upon Subscription Version activation.

R5-53.1 Activate Subscription Version - Validation

NPAC SMS shall verify that a Subscription Version is in a valid pending state by checking that a new Service Provider time stamp exists and that the effective date of the NPA-NXX has been reached.

R5-53.2 Activate Subscription Version Validation Error Message

NPAC SMS shall send an error message to the originating user if the Subscription validation fails.

R5-53.3 Activate Subscription Version - Validate Due Date

NPAC SMS shall verify that a pending Subscription Version is eligible for activation by ensuring that the new Service Provider due date is less than or equal to the current date.

R5-54.1

DELETE

R5-54.2

DELETE

R5-55 Activate Subscription Version - Local SMS Identification

NPAC SMS shall determine which Local SMSs to send the Subscription Version to by identifying all Local SMS that are accepting Subscription Version data downloads for the given NPA-NXX.

R5-56

(Duplicate - refer to R5-57.1)

R5-57.1 Activate Subscription Version - Send to Local SMSs

NPAC SMS shall send the activated Subscription Version for an activated Inter or Intra-Service Provider port via the NPAC SMS to Local SMS Interface to the Local SMSs.

R5-57.2 Activate Subscription Version - Set to Sending

NPAC SMS shall set the subscription status to sending upon sending the activated Subscription Version to the Local SMSs.

R5-57.3 Activate Subscription Version - Date and Time Stamp

NPAC SMS shall record the current date and time as the broadcast date and time stamp upon initiating sending the activated subscription to the Local SMSs.

R5-58.1 Local SMS Activation message logging

NPAC SMS shall log the activation responses resulting from the activation requests sent to the Local SMSs.

R5-58.2 Local SMS Activation Log Retention Period - Tunable Parameter

NPAC SMS shall provide a Local SMS Activation Log Retention Period tunable parameter which is defined as the number of calendar days Local SMS activation responses will remain in the log.

R5-58.3 Local SMS Activation Log Retention Period - Tunable Parameter Modification

NPAC SMS shall allow the NPAC SMS Administrator to modify the Local SMS Activation Log Retention Period tunable parameter.

R5-58.4 Local SMS Activation Log Retention Period - Tunable Parameter Default

NPAC SMS shall default the Local SMS Activation Log Retention Period tunable parameter to 90 calendar days.

R5-58.5 Local SMS Activation Message Log - Viewing

NPAC SMS shall allow NPAC personnel to view the Local SMS Activation Message log.

R5-59.1 Activate Subscription Version - Set Status of Current to Active

NPAC SMS shall, upon receiving successful activation acknowledgment from all involved Local SMSs, set the sending Subscription Version status to active.

R5-59.2 Activate Subscription Version - Set Status of Previous to Old

NPAC SMS shall upon receiving successful activation acknowledgment from any involved Local SMSs, set the previous active Subscription Version status to old.

R5-60.1 Subscription Activation Retry Attempts - Tunable Parameter

NPAC SMS shall provide a Subscription Activation Retry Attempts tunable parameter which defines the number of times a new Subscription Version will be sent to a Local SMS which has not acknowledged receipt of the activation request.

R5-60.2 Subscription Activation Retry Interval - Tunable Parameter

NPAC SMS shall provide a Subscription Activation Retry Interval tunable parameter, which defines the delay between sending new Subscription Versions to a Local SMS that has not acknowledged receipt of the activation request.

R5-60.3 Subscription Activation Retry Attempts - Tunable Parameter Modification

NPAC SMS shall allow the NPAC SMS Administrator to modify the Subscription Activation Retry Attempts tunable parameter.

R5-60.4 Subscription Activation Retry Interval - Tunable Parameter Modification

NPAC SMS shall allow the NPAC SMS Administrator to modify the Subscription Activation Retry Interval tunable parameter.

R5-60.5 Subscription Activation Retry Attempts - Tunable Parameter Default

NPAC SMS shall default the Subscription Activation Retry Attempts tunable parameter to 3 times.

R5-60.6 Subscription Activation Retry Interval - Tunable Parameter Default

NPAC SMS shall default the Subscription Activation Retry Interval tunable parameter to 2 minutes.

R5-60.7 Subscription Version Activation Failure Retry

NPAC SMS shall resend the activated Subscription Version a Subscription Activation Retry Attempts tunable parameter number of times to a Local SMS that has not acknowledged the receipt of the activation request once the Subscription Activation Retry Interval tunable parameter expires.

R5-60.8 Subscription Version Activation Failure - After Retries

NPAC SMS shall consider the Subscription Version activation for a given Local SMS failed once the applicable Activation Retry tunable parameter number of retries has been exhausted for that Local SMS.

R5-60.9 Subscription Version Activation Failure - Status Sending

NPAC SMS shall retain the status for the Subscription Version being activated as sending until the Subscription Version retry period expires for all Local SMSs, or until all Local SMSs have acknowledged the activation.

R5-60.10 Subscription Version Activation Failure - Local SMS Identification

NPAC SMS shall notify the NPAC SMS Administrator of all Local SMSs where new activation failed, once each Local SMS has successfully responded or failed to respond during the activation retry period.

R5-60.11 Subscription Version Activation Failure - Set Status to Partial Failure

NPAC SMS shall set the Subscription Version status to partial failure if the activation resulting from an subscription version activation request failed in one or more, but not all, of the Local SMSs.

R5-60.12 Subscription Version Partial Activation Failure - Set Status of Previous to Old

NPAC SMS shall set the status of a previous active version to old when a Subscription Version activation succeeds for at least one of the Local SMSs.

R5-61.1 Subscription Version Activation - Set Status to Failure

NPAC SMS shall set the status of the Subscription Version to failed if the Subscription Version fails activation resulting from an subscription version activation request in all the Local SMSs to which it was sent.

R5-61.2 Subscription Version Activation Subscription Version - Failure Notification

NPAC SMS shall notify the NPAC System Administrator when a Subscription Version fails activation at all of the Local SMSs.

R5-61.3 Subscription Version Activation - Resend to Failed Local SMSs

NPAC SMS shall provide NPAC SMS personnel with the functionality to re-send activate Subscription Version requests to all failed Local SMSs.

RR5-22.1 Subscription Version Activation - Failed Local SMS Notification - Both Service Providers

NPAC SMS shall send a list to the Old and New Service Providers of all Local SMSs that failed activation when a Subscription Version is set to failed or partial failure subsequent to Subscription Version activation for an Inter-Service Provider port.

RR5-22.2 Subscription Version Activation - Failed Local SMS Notification - Current Service Provider

NPAC SMS shall send a list to the current Service Provider of all Local SMSs that failed activation when a Subscription Version is set to failed or partial failure subsequent to Subscription Version activation for an Intra-Service Provider port.

5.1.2.2.5 Subscription Version Disconnect

This section provides the requirements for the Subscription Version Disconnect functionality, which is executed upon the NPAC personnel or SOA to NPAC SMS interface user requesting to have a Subscription Version disconnected.

R5-62 Disconnect Subscription Version - Version Identification

NPAC SMS shall receive the following data from the NPAC personnel or current Service Provider to identify an active Subscription Version to be disconnected:

Ported Telephone Numbers (or a specified range of numbers)

or

Subscription Version ID

RR5-23.1 Disconnect Subscription Version - Required Input Data

NPAC SMS shall require the following input data upon a Subscription Version disconnect:

- Customer Disconnect Date - Date upon which the customer's service is disconnected.

RR5-23.2 Disconnect Subscription Version - Optional Input Data

NPAC SMS shall accept the following optional input data upon a Subscription Version disconnect:

- Effective Release Date - Future date upon which the disconnect should be broadcast to all Local SMSs.

R5-23.3 Old Service Provider Final Concurrence Timer Expiration Notification

NPAC SMS shall upon expiration of the Final Concurrence Timer send a notification to the old service provider via the SOA to NPAC SMS interface to inform them of the timer expiration.

RN5-10 Disconnect Subscription Version - Invocation by Current Service Provider

NPAC SMS shall allow only NPAC personnel or the Current Service Provider to invoke the functionality to disconnect a Subscription Version.

R5-63 Disconnect Subscription Version - Invalid Status Notification

NPAC SMS shall send an appropriate error message to the originating user that the Subscription Version is not active in the network and cannot be disconnected or set to disconnect pending if there is no Subscription Version with a status of active.

R5-64.1 Disconnect Subscription Version - Cancel Other Version Notification

NPAC SMS shall notify the originating user that the active Subscription Version cannot be disconnected if a version of that subscription version with a status other than canceled or old exists.

R5-64.2

DELETE

R5-64.3

DELETE

R5-64.4

DELETE

R5-64.5

DELETE

R5-64.6

DELETE

R5-64.7

DELETE

RR5-24 Disconnect Subscription Version -Set to Disconnect Pending

NPAC SMS shall set the status of a Subscription Version to disconnect pending upon a Subscription Version disconnect request when an effective release date is specified.

RR5-25.1 Disconnect Subscription Version - Disconnect Pending Status Notification

NPAC SMS shall inform the current Service Provider when the status of a Subscription Version is set to Disconnect Pending.

RR5-25.2 Disconnect Subscription Version - Customer Disconnect Date Notification

NPAC SMS shall notify the new Service Provider (donor) of the Subscription Version Customer Disconnect Date and Effective Release Date immediately prior to broadcasting a Subscription Version disconnect.

R5-65.1 Disconnect Subscription Version -Immediate Broadcast

NPAC SMS shall immediately proceed with the broadcasting of the disconnect after the Customer Disconnect Date notification is sent if no Effective Release Date was specified with the request.

R5-65.2 Disconnect Subscription Version - Deferred Broadcast

NPAC SMS shall proceed with the broadcasting of the disconnect when the specified Effective Release Date is reached if an Effective Release Date was specified with the request.

R5-65.3

DELETE

R5-65.4 Disconnect Subscription Version - Broadcast Interface Message to Local SMSs

NPAC SMS shall broadcast the disconnect Subscription Version message to the Local SMSs that are accepting Subscription Version data downloads for the given NPA-NXX via the NPAC SMS to Local SMS Interface.

R5-65.5 Disconnect Subscription Version - Disconnect Broadcast Date and Time Stamp

NPAC SMS shall record the current date and time as the disconnect broadcast date and time stamp upon sending of disconnect messages to the Local SMSs.

R5-65.6 Disconnect Subscription Version - Set to Sending

NPAC SMS shall set a Subscription Version status to sending upon sending the disconnect messages to the Local SMSs.

R5-66.1

DELETE

R5-66.2 Disconnect Subscription Version Complete - Set Disconnect Broadcast Complete Date

NPAC SMS shall set the Disconnect Broadcast Complete timestamp to the current date in the previously active, now old, Subscription Version upon a successful disconnect from one Local SMS.

R5-66.3 Disconnect Subscription Version Complete - Set Disconnect to Old

NPAC SMS shall set the sending disconnect Subscription Version to old upon a successful disconnect in all Local SMSs.

R5-67.1 Disconnect Subscription Version - Set Status to Active

NPAC SMS shall set the status of the disconnect Subscription Version to active if the disconnect fails in all the Local SMSs to which it was sent.

R5-67.2 Disconnect Pending Subscription Version - Failure Notification

NPAC SMS shall notify the NPAC SMS System Administrator when a disconnect Subscription Version fails in all of the Local SMSs.

R5-67.3 Disconnect Subscription Version - Resend Disconnect Requests to All Local SMSs

NPAC SMS shall provide authorized NPAC SMS personnel with the functionality to resend all failed disconnect requests to the Local SMSs.

R5-68.1 Disconnect Subscription Version - Subscription Disconnect Retry Attempts - Tunable Parameter

NPAC SMS shall allow the NPAC SMS Administrator to modify the Subscription Disconnect Retry Attempts tunable parameter, which is defined as the number of times the NPAC SMS will resend a disconnect message to an unresponsive Local SMS.

R5-68.2 Disconnect Pending Subscription Version - Subscription Disconnect Retry Attempts - Tunable Parameter Default

NPAC SMS shall default the Subscription Disconnect Retry Attempts tunable parameter to 3 times.

R5-68.3 Disconnect Subscription Version - Subscription Disconnect Retry Interval - Tunable Parameter

NPAC SMS shall allow the NPAC SMS Administrator to modify the Subscription Disconnect Retry Interval tunable parameter, which is defined as the amount of time that shall elapse between disconnect retries.

R5-68.4 Disconnect Subscription Version - Subscription Disconnect Retry Interval - Tunable Parameter Default

NPAC SMS shall default the Subscription Disconnect Retry Interval tunable parameter to 2 minutes.

R5-68.5 Disconnect Subscription Version - Retry Processing

NPAC SMS shall resend a Subscription Version disconnect message a Subscription Disconnect Retry Attempts tunable parameter number of times to a Local SMS that has not acknowledged the receipt of a disconnect once the Subscription Disconnect Retry Interval tunable parameter expires.

R5-68.6 Disconnect Subscription Version - Sending Status during Retries

NPAC SMS shall retain the status for the Subscription Version being disconnected as sending until the Subscription Disconnect Retry Attempts tunable parameter period expires for all Local SMSs, or until all Local SMSs have acknowledged the disconnect.

R5-68.7 Disconnect Subscription Version - Retry Failed

NPAC SMS shall consider the disconnect Subscription Version request to have failed at a specific Local SMS after the Subscription Disconnect Retry Attempts tunable parameter count for the specific Local SMS has been exhausted.

R5-68.8 Disconnect Subscription Version - Failure Notification after Retries Complete

NPAC SMS shall send a list of the Local SMSs where the disconnect request failed to the NPAC SMS System Administrator after every local SMS has either succeeded or failed with the disconnect.